Q-314R1

SVE BULLETIN

SPECIAL VEHICLE ENGINEERING – BODY BUILDERS ADVISORY SERVICE

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QVM BULLETIN: Q-314R1 DATE: 12 / OCT / 2020

2020MY & BEYOND SUPER DUTY REAR VIEW CAMERA FOR TAILGATE AND BOX REMOVAL

REVISION	UPDATE	REVISION DATE
Q-314R1	UPDATED PART NUMBER	12 / OCT/ 2020
Q-314	INITIAL RELEASE	28 / APR / 2020

MODEL(S) AFFECTED:
2020MY And Beyond Super Duty Pickups

ISSUE / DESCRIPTION:
Effective May 1, 2018, all Super Duty pickups (produced by Ford as complete vehicles) comply with FMVSS 111 requirements for rear visibility (including rearview camera). This bulletin is intended to assist upfitters, who alter the vehicle by removing the pickup box or tailgate, maintain compliance with FMVSS 111 requirements for rear visibility using the Ford reverse camera kit.

Tailgate Removal only - Camera Kit and Jumper:

Parts required:

Service part number	Description
JC3Z-19G490-D	Incomplete Vehicle Rear View Camera Kit
HC3Z-14B242-K	Tailgate Removal Jumper Harness
AU2Z-14S411-AMB	Protective Cap (See Note)

Ford rear view camera kit ***JC3Z-19G490-D*** (see contents in Figure 3), can be installed following kit instruction sheet included in kit. The kit harness does not connect directly to rear camera frame harness – it will be necessary to install jumper ***HC3Z-14B242-K*** (see Figure 1 for location of jumper). Excess harness should be coiled and secured.

Note: Vehicles with power locking tailgate will have a second connector on the tailgate harness. To protect connector, install cap provided with vehicle (service part number AU2Z-14S411-AMB. **The incomplete vehicle rear camera kit is not compatible with the 360-degree camera system.**

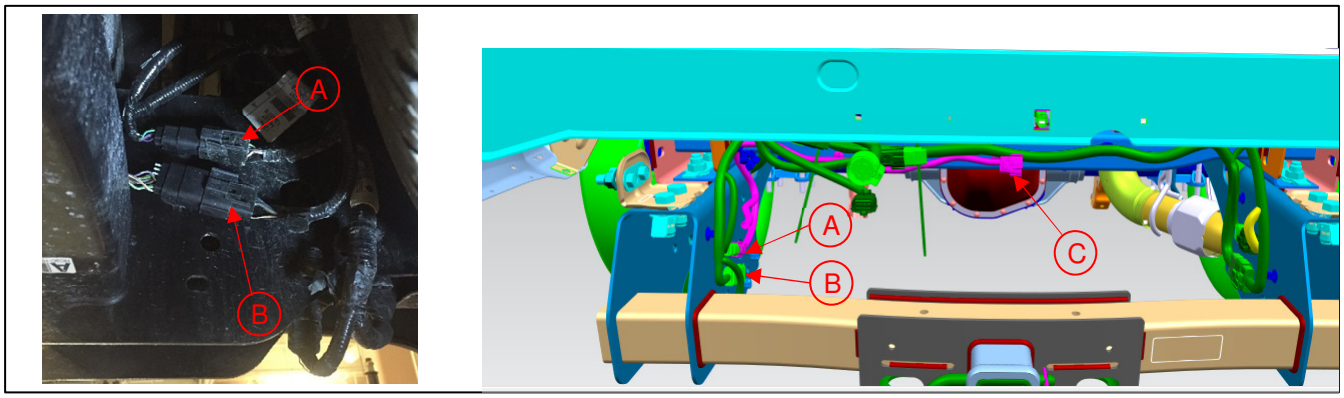

Figure 1: Tailgate camera harness location - jumper harness shown installed, with excess length stowed

Item	Description
A	Camera connector
B	Tailgate lock connector
C	Jumper Harness Connector (to camera kit)

Box Removal - Camera Kit and Jumper:

Parts required:

Service part number	Description
JC3Z-19G490-D	Incomplete Vehicle Rear View Camera Kit
LC3Z-13A409-J	Box Removal Jumper Harness
AU2Z-14S411-AMB	Protective Cap (See Note)

Ford rear view camera kit ***JC3Z-19G490-D*** (see contents in Figure 3), can be installed following kit instruction sheet included in kit. With box removed, it will be necessary to install harness ***LC3Z-13A409-J*** as shown in Figure 2. The camera kit harness (item F, figure 3) will then connect to the HC3Z-13A409-J harness as indicated in Figure 2. The jumper harness is equipped with fasteners to facilitate installation.

Note: Vehicles with power locking tailgate will have a second connector on the tailgate harness. To protect connector, install cap provided with vehicle (service part AU2Z-14S411-AMB)

The incomplete vehicle rear camera kit is not compatible with the 360-degree camera system.

Figure 2: Box delete harness installation – jumper harness shown installed

Item	Description
A	Camera connector
B	Tailgate lock connector
C	Jumper Harness Connector (to camera kit)

Item	Description
D	Left / right tail lamp connector
E	Lighting connector

Rear View Camera Kit:

A rear-view camera kit for incomplete vehicles is available through Ford Service (part number ***JC3Z-19G490-D – see figures 1 and 2).*** Note that this same kit is also available as an orderable option (order code 872) with all pickup box Delete and Chassis Cab incomplete vehicles.

An adapter jumper harness (as mentioned previously) is required to allow this kit to be used on completed vehicles (Pickups with tail gate and or box removed.) The jumper is not included with the kit.

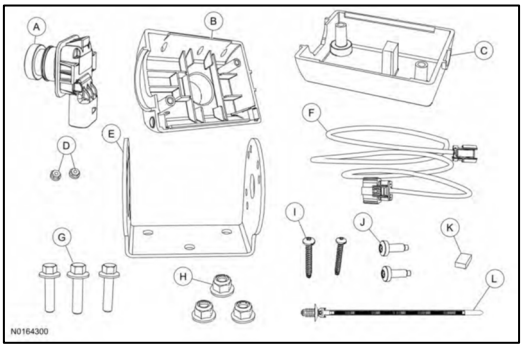

Figure 3: Camera Kit Contents

Item	Quantity	Description
A	1	Rear View Camera
B	1	Front Camera Case Half
C	1	Rear Camera Case Half
D	2	Screw Retaining nuts
E	1	Mounting Bracket
F	1	Wire Harness
G	3	Bolts
H	3	Nuts
I	2	Screws (Longer)
J	2	Screws (Shorter)
K	1	Foam Pad
L	1	Push Pin Tie Strap

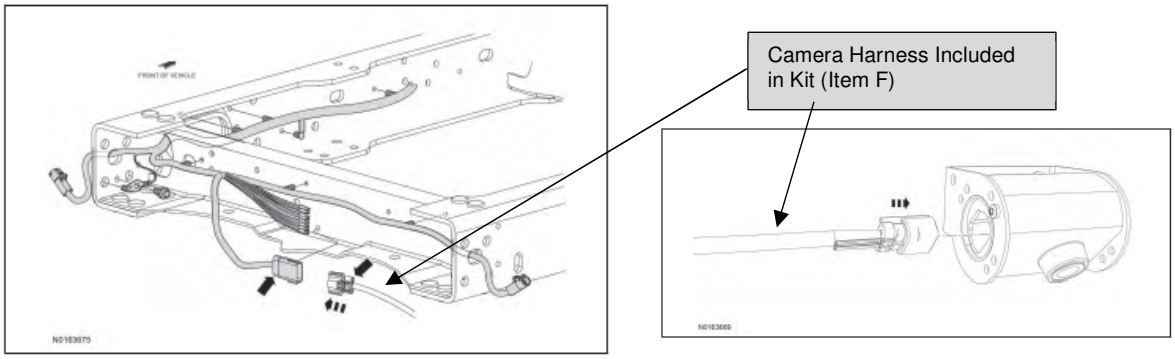

Figure 4: Camera harness Location for incomplete vehicles

Ford Camera Kit Compliance Capability:
Complete Super Duty pickups are available 4.2-inch center stack display or the 8-inch center stack display. Based on Ford testing, the camera/display pairing is capable of meeting the backup camera field of view requirement of FMVSS 111 when mounted in the zones defined below.

Note (Pickup box removal): The camera placement zones shown below are intended to assist the upfitter in meeting the requirements in FMVSS 111. Additional FMVSS requirements must be taken into consideration when removing a pickup box from a vehicle. The alterer should refer to the PICKUP BOX REMOVAL / ALTERATIONS DESIGN RECOMMENDATIONS section of the Body Builder Layout Book for further guidance.

Compliance to FMVSS 111 will be the responsibility of the upfitter who alters the vehicle. This information is provided for directional purposes only, based on testing done by Ford.

If equipped with a 4.2 inch or 8 inch display the camera included in kit is capable of complying with FMVSS 111 when mounted in the areas defined in Figure 5.

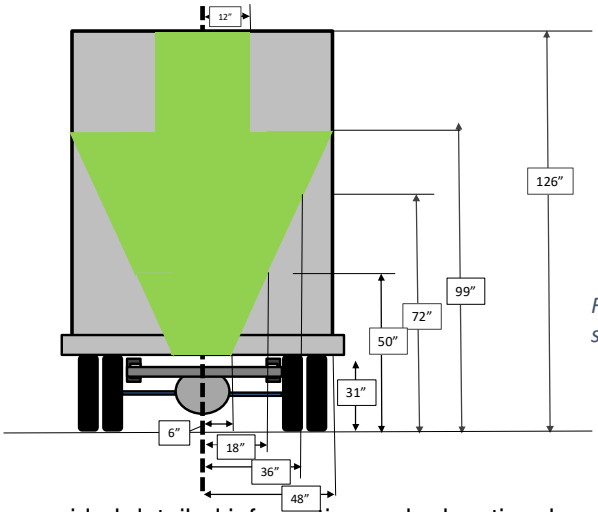

Figure 5: Coverage with 4.2- and 8-inch inch display, as shown at the rear plane of the vehicle

Note that the NTEA has provided detailed information and educational resources to help members better understand the new FMVSS 111/reverse camera conformity (including a manual and test kit). Ref. http://www.ntea.com/fmvss111rearvisibility

Refer to the Body Builder Layout Book for additional guidelines and recommendations. If you have any questions, please contact the Ford Body Builders Advisory Service as shown in the header of this bulletin.